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Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) An organic photovoltaic component, comprising:

a substrate having a first surface and a second surface opposite the first surface,

a first electrode, the first electrode being closer to the first surface of the substrate than the second surface of the substrate,

an organic semiconductor layer comprising a conjugated polymer and an acceptor, the first electrode being between the substrate and the organic semiconductor layer, and

a second electrode, the organic semiconductor layer being between the first and second electrodes,

wherein the substrate is a flexible sheet, the first surface of the substrate is structured, and the first electrode has a planar surface.

- 2. (Cancelled).
- 3. (Previously Presented) The organic photovoltaic component of claim 1, further comprising an additional layer between the substrate and the first electrode, the additional layer having a surface that is structured.
 - 4. (Currently Amended) A method, comprising: providing an organic photovoltaic cell, comprising:

a substrate having a first surface and a second surface opposite the first surface, the first surface of the substrate being a structured surface;

a first electrode, the first electrode being closer to the first surface of the substrate than the second surface of the substrate;

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an organic semiconductor layer comprising a conjugated polymer an acceptor, the first electrode being between the substrate and the organic semiconductor layer; and

a second electrode, the organic semiconductor layer being between the first and second electrodes.

wherein the substrate is a flexible sheet.

- 5. (Cancelled).
- 6. (Previously Presented) The method as defined in claim 4, further comprising disposing an additional layer on the structured surface of the substrate so that the additional layer has a structured surface that supports the semiconductor layer.
 - 7. (Currently Amended) A photovoltaic cell, comprising:

a substrate having a first surface and a second surface opposite the first surface, the first surface of the substrate being a structured surface;

a first electrode that is closer to the first surface of the substrate than the second surface of the substrate;

a second electrode, the first electrode being between the substrate and the second electrode; and

an organic semiconductor between the first and second electrodes, wherein a surface of the first electrode is planar, and the substrate is flexible.

- 8. (Cancelled).
- 9. (Previously Presented) The photovoltaic cell of claim 7, wherein a surface of the organic semiconductor is planar.
- 10. (Previously Presented) The photovoltaic cell of claim 9, wherein the first electrode is disposed on the first surface of the substrate.

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11. (Previously Presented) The photovoltaic cell of claim 9, wherein the first electrode is a cathode.

- 12. (Previously Presented) The photovoltaic cell of claim 7, further comprising a planarized layer between the substrate and the first electrode.
- 13. (Previously Presented) The photovoltaic cell of claim 12, wherein the first electrode is disposed on a planarized surface of the planarized layer.
- 14. (Previously Presented) The photovoltaic cell of claim 7, further comprising a planarized layer between the organic semiconductor and the first electrode.
- 15. (Previously Presented) The photovoltaic cell of claim 14, wherein the first electrode is disposed on the substrate.
 - 16. (Currently Amended) A photovoltaic cell, comprising:
 - a <u>flexible</u>, <u>structured</u> substrate;
 - a first electrode;
 - a first layer, the first layer being between the substrate and the first electrode;
 - a second layer, the second layer being between the substrate and the first electrode;
 - a second electrode; and
- an organic semiconductor between the first and second electrodes, the organic semiconductor comprising a conjugated polymer and an acceptor,

wherein the second layer is between the first electrode and the organic semiconductor, the first electrode is structured, a surface of the first layer is structured, a surface of the second layer is planar, and a surface of the organic semiconductor is planar.

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17. (Previously Presented) The photovoltaic cell of claim 16, wherein the substrate is not structured.

18-19. (Cancelled).

- 20. (Previously Presented) The photovoltaic cell of claim 16, wherein the substrate is flexible.
- 21. (Currently Amended) The organic photovoltaic component of claim, 1 wherein the the acceptor comprises a fullerene.
- 22. (Previously Presented) The photovoltaic cell of claim 7, wherein the first electrode has a structured surface.
 - 23. (Currently Amended) A photovoltaic cell, comprising:
 - a polymeric flexible substrate having a structured surface;
 - a support layer having a surface;
 - a first electrode, the support layer being between the substrate and the first electrode;
 - a second electrode;
- an organic semiconductor between the first and second electrodes, the organic semiconductor comprising a conjugated polymer and an acceptor,

wherein:

the first electrode is between the support layer and the organic semiconductor; <u>and</u> a surface of the organic semiconductor is planar;

at least one surface is structured; and

the at least one surface is selected from the group consisting of the surface of the substrate and the surface of the support layer.

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24. (Previously Presented) The photovoltaic cell of claim 23, wherein the surface of the support layer is structured.

- 25. (Previously Presented) The photovoltaic cell of claim 24, wherein the surface of the substrate is structured.
 - 26. (Cancelled).
- 27. (Previously Presented) The photovoltaic cell of claim 23, wherein the surface of the support layer is planar.
- 28. (Previously Presented) The organic photovoltaic component of claim 1, wherein the first surface of the substrate has a periodic structure.
 - 29. (Cancelled).
- 30. (Previously Presented) The method of claim 4, wherein the organic photovoltaic cell further comprises an additional layer between the substrate and the first electrode, and the additional layer has a surface that is structured.
- 31. (Previously Presented) The method of claim 4, wherein the first surface of the substrate has a periodic structure.
- 32. (Previously Presented) The photovoltaic cell of claim 7, wherein the first surface of the substrate has a periodic structure.
- 33. (Previously Presented) The photovoltaic cell of claim 25, wherein the structured surface of the substrate has a periodic structure.

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34. (Previously Presented) The photovoltaic cell of claim 33, wherein the periodic structure of the substrate is configured to impart light trapping during use of the organic photovoltaic component.

- 35. (Previously Presented) The photovoltaic cell of claim 25, wherein the structured surface of the support layer has a periodic structure.
 - 36. (Currently Amended) An organic photovoltaic component, comprising:
 - a flexible substrate,
 - a first electrode,

an organic semiconductor layer, the first electrode being between the substrate and the organic semiconductor layer, the organic semiconductor comprising a conjugated polymer and an acceptor, and

a second electrode, the organic semiconductor layer being between the first and second electrodes,

wherein the substrate has a surface with a periodic structure.

- 37. (Previously Presented) The organic photovoltaic component of claim 36, wherein the periodic structure of the substrate is configured to impart light trapping during use of the organic photovoltaic component.
 - 38. (Currently Amended) A method, comprising: providing an organic photovoltaic cell, comprising:
 - a <u>flexible</u> substrate having a structured surface;
 - a first electrode;

an organic semiconductor layer, the first electrode being between the substrate and the organic semiconductor layer, the organic semiconductor comprising a conjugated polymer and an acceptor; and

a second electrode, the organic semiconductor layer being between the first and second electrodes.

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39. (Previously Presented) The method of claim 38, wherein the structure of the substrate is configured to impart light trapping during use of the organic photovoltaic component.

- 40. (Currently Amended) A photovoltaic cell, comprising:
- a flexible substrate having a surface with a periodic structure;
- a first electrode supported by the structured surface of the substrate;
- a second electrode;

an organic semiconductor between the first and second electrodes, the organic semiconductor comprising a conjugated polymer and an acceptor.

- 41. (Previously Presented) The photovoltaic cell of claim 40, wherein the periodic structure of the substrate is configured to impart light trapping during use of the organic photovoltaic component.
- 42. (Previously Presented) The method of claim 4, wherein the acceptor comprises a fullerene.
- 43. (Previously Presented) The photovoltaic cell of claim 7, wherein the organic semiconductor comprises a conjugated polymer.
- 44. (Previously Presented) The photovoltaic cell of claim 16, wherein the organic semiconductor further comprises a fullerene.
- 45. (Previously Presented) The photovoltaic cell of claim 43, wherein the organic semiconductor further comprises a fullerene.
- 46. (Previously Presented) The photovoltaic cell of claim 23, wherein the organic semiconductor further comprises a fullerene.
- 47. (Previously Presented) The organic photovoltaic component of claim 36, wherein the organic semiconductor further comprises a fullerene.

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48. (Previously Presented) The method of claim 38, wherein the organic semiconductor further comprises a fullerene.

- 49. (Previously Presented) The photovoltaic cell of claim 40, wherein the organic semiconductor further comprises a fullerene.
- 50. (New) The organic photovoltaic cell of claim 1, wherein the substrate comprises a polymer.
- 51. (New) The organic photovoltaic cell of claim 1, wherein the substrate comprises PET.
- 52. (New) The organic photovoltaic cell of claim 1, wherein the organic photovoltaic cell is configured so that, during use, light passes through the substrate prior to reaching the organic semiconductor layer.
- 53. (New) The organic photovoltaic cell of claim 52, wherein the substrate comprises a polymer.